Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/08/2019 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126547	1	1.27	126649	1.24
Blue	F	SSC	125000	124553	-1	1.61	125401	1.63
Blue	E	FITC	16122	15718	-3	2.63	343	20.34
Blue	D	PE	29316	29131	-1	1.85	637	14.47
Blue	B	PerCP-Cy5-5	42590	42437	-1	3.57	1141	20.31
Blue	A	PE-Cy7	33146	33489	1	6.02	636	40.69
Red	C	APC	45473	45123	-1	2.42	1598	12.11
Red	A	APC-Cy7	31961	30748	-4	2.36	815	11.97
Violet	B	V450	7914	7456	-6	5.16	415	13.38
Violet	A	V500	29769	29114	-3	5.07	675	10.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21776	3.45	609	9	N/A	N/A	Pass
Blue	F	SSC	56703	1.14	553	15	N/A	N/A	Pass
Blue	E	FITC	62	61.47	540	3	0.0183	50	Pass
Blue	D	PE	132	51.12	543	6	0.1843	346	Pass
Blue	B	PerCP-Cy5-5	209	49.42	648	10	0.0090	44	Pass
Blue	A	PE-Cy7	119	99.47	701	10	0.0110	14	Pass
Red	C	APC	380	25.18	587	8	0.0244	142	Pass
Red	A	APC-Cy7	179	28.66	562	6	0.0055	914	Pass
Violet	B	V450	64	61.58	466	6	0.0610	2724	Pass
Violet	A	V500	101	31.67	479	7	0.0228	498	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.17	-31.81	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.72	13.60 - 20.40	N/A	N/A	29.52	29.80	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10030

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments